

ABSTRACT OF THE DISCLOSURE

A method for rendering a trimmed ribbon image with a string. The user first inputs the string to be attached to the trimmed ribbon. Then a ribbon route of the trimmed ribbon is generated by a wrap function. Next, the ribbon route of the trimmed ribbon is cut into a plurality of sub-paths by several cutting points. The cutting points are determined by their slope values of tangent lines. The sub-paths and the attached string are applied by desired effect or shading functions to generate a plurality of segments of the trimmed ribbon, respectively. Finally, the segments are combined to produce the complete trimmed ribbon image.